

CONTENTS

Resources, Conservation and Recycling

Vol. 1, No. 1

<i>Editorial</i>	1
Eddy-current separation by permanent magnets. Part II: Rotating disc separators B.C. Braam, H.J.L. Van der Valk and W.L. Dalmijn (Delft, The Netherlands)	3
Thermophilic and mesophilic methane production from anaerobic degradation of the cyanobacterium <i>Spirulina maxima</i> V.H. Varel, T.H. Chen and A.G. Hashimoto (Clay Center, Nebraska, U.S.A.)	19
Influence of temperature, buffer, composition and straw particle length on the anaerobic digestion of wheat straw-pig manure mixtures P. Llabrés-Luenga and J. Mata-Alvarez (Barcelona, Spain)	27
Land application of domestic wastewater, wood production and sludge composting: an economic and energy production analysis G.B. Keefer, M.W. Gilliland and R.E. Hoffman (Omaha, Nebraska, U.S.A.)	39
<i>Special Reports</i>	
Cryogenic comminution in scrap recycling G.R. Daborn and R. Derry (Stevenage, U.K.)	49
Research results regarding biological soil treatment techniques in the Netherlands E.R. Soczo, J.J.M. Staps and K. Visser (Bilthoven, The Netherlands)	65
<i>Book Reviews</i>	77

Vol. 1, No. 2

Inhibiting factors in the continuous production of ethanol from molasses A. Converti, M. Zilli, P. Perego and M. del Borghi (Genoa, Italy)	81
Assessment of the performance of municipal solid wastes composting facilities under Egyptian conditions	

M. El-Hawagi, S.R. Tewfik, M.H. Sorour, A.G. Abulnour and N.R. Mitry (Cairo, Egypt)	97
"Biocrude" and "biomethane" from <i>Croton bonplandianum</i> D.K. Sharma and H.A. Mbise (New Delhi, India)	111

Short Communications

Effect of media design on the performance of cotton fabric desizing and scouring wastewater treatment in upflow anaerobic filters N. Athanasopoulos and T. Karadimitris (Patras, Greece)	123
Long term effects of varying levels of BOD of irrigation waters on crops V.J. Nashikkar and G.B. Shende (New Delhi, India)	131
Susceptibility to regeneration of fly ash as an adsorbent material M. Rovatti, A. Peloso and G. Ferraiolo (Genoa, Italy)	137
A comparative study of anaerobic digestion systems to treat piggery waste J. Mata-Alvarez and P. Llabrés (Barcelona, Spain)	145

Vol. 1, Nos. 3+4

Overview of the Second Workshop on the Bioprocessing of Coals M. McIlwain (Idaho Falls, Idaho, U.S.A.)	155
The influence of pH on biological solubilization of oxidized, low-rank coal D.R. Quigley, J.E. Wey, C.R. Breckenridge and D.L. Stoner (Idaho Falls, Idaho, U.S.A.)	163
Microbial leaching of sulfate from Illinois No. 6 coal D.L. Stoner and K.B. Barrett (Idaho Falls, Idaho, U.S.A.)	175
Enzymatic degradation of low-rank coals by a cell-free enzymatic system from <i>Coriolus versicolor</i> J.W. Pyne, D.L. Stewart, J.C. Linehan, R.M. Bean, M.A. Powell, R.B. Lucke, B.L. Thomas, J.A. Campbell and B.W. Wilson (Richland, Washington, U.S.A.)	185
Effect of peat extract on the hydrolytic enzymes of <i>Phanerochaete chrysosporium</i> M. Nawaz and M. Gunasekaran (Nashville, Tennessee, U.S.A.)	197
Recent progress in coal bioprocessing research in Europe G.R. Couch (London, England)	207
A comparison between <i>Thiobacillus ferrooxidans</i> and biological by-products in the desulphurisation of coal fines in flotation A.J. Davis and A.S. Atkins (Stoke-on-Trent, England)	223

Microbial pyrite removal from hard coal	
E. Beier (Bochum, F.R.G.)	233
Production of water-soluble coal-substances by partial microbial liquefaction of untreated hard coal	
R.M. Fakoussa (Bonn, F.R.G.)	251
Bacterial desulfurization of Turkish lignite	
C.F. Gokcay and R. Yurteri (Ankarra, Turkey)	261
Feasibility of a Dutch process for microbial desulphurization of coal	
P. Bos, T.F. Huber, K. Luyben and J.G. Kuenen (Delft, The Netherlands)	279
Desulfurization of coal by bacterial means	
D. Chandra (Dhanbad, India) and A.K. Mishra (Calcutta, India)	293
A research plan for coal biogasification	
L. Reed (Rockville, Maryland, U.S.A.)	309
<i>Short Communications</i>	
Recent progress in coal bioprocessing research in the United States: scope and areas needing further research	
G.J. Olson (Gaithersburg, Maryland, U.S.A.)	319
Microbial dissolution of toxic metals from coal residues	
A.J. Francis, C.J. Dodge and C.R. Krishna (Upton, New York, U.S.A.)	327
<i>Meeting Announcements</i>	331